This Track 1 Decision Document is marked "Draft" but is a final document signed by the agencies.

_____ date <u>5/27/2002</u>

DOE/ID- 10933 August 2001

SITE 003 TRACK 1 DECISION DOCUMENTATION PACKAGE, OU 10-08

DECISION DOCUMENTATION PACKAGE COVER SHEET

Prepared in accordance with

TRACK 1 SITES: GUIDANCE FOR ASSESSING LOW PROBABILITY HAZARD SITES AT THE INEEL

Site Description:

Car Body Adjacent to Big Lost River

Site ID:

003

Operable Unit:

10-08

Waste Area Group:

10

I. Summary – Physical Description of the Site:

Site 003 consists of the remains of a car body located on an unnamed dirt road south of the Big Lost River approximately 3 miles upriver from the junction at the spreading areas and 5.5 miles northwest of the Radiological Waste Management Complex (RWMC).

This site was originally listed as part of an environmental baseline assessment in 1994 and identified as potential new waste site in 1995. In accordance with Management Control Procedure-3448, "Reporting or Disturbance of Suspected Inactive Waste Sites" a new site identification form was completed for this site. As part of the process, a field team wrote a site description and collected photographs and global positioning system (GPS) coordinates of the site (the GPS coordinates are E240728.424 by N680691.519). The GPS coordinate system is listed as North American Datum 27, Idaho East Zone, State Plane Coordinates. The new site identification process also included a search and review of existing historical documentation.

Site 003 is a circa 1930s debris pile considered an historical/archaeological resource. This site includes car body panels (no engine parts are present), small miscellaneous car parts, and weathered wood. There is no soil discoloration or evidence of disturbed vegetation present at this site that would indicate fuel spillage. There is no evidence to indicate that any of the debris found at this site was industrial in nature or related to INEEL operations. INEEL Cultural Resources personnel confirmed that the artifacts are domestic and predate INEEL activities.

There is no visual evidence of hazardous constituents, nor evidence that waste has recently been disposed of at this site. There is no evidence of disturbed vegetation, or stained or discolored soil. The ground surface shows well-established native grasses and sagebrush. The description of the site condition is based on recent site investigations and INEEL Cultural Resource research; no field screening or sample data exist for this site.

DECISION RECOMMENDATION

II. SUMMARY – Qualitative Assessment of Risk:

There is no evidence that a source of contamination exists at this site, nor is there empirical, circumstantial or other evidence of contaminant migration. The reliability of information provided in this report is high. Field investigations, interviews with INEEL Cultural Resource personnel, and photographs reveal no visual evidence of hazardous substances that may present a danger to human health or the environment. Therefore, the overall qualitative risk at Site 003 is low.

III. SUMMARY – Consequences of Error:

False Negative Error:

The possibility of contaminant levels at this site being above risk-based limits is remote. Field surveys and visual observations of the debris and surface soil showed no evidence of hazardous constituents, stained soil, odors, loss of vegetation, fibrous materials, or other indications of contamination.

False Positive Error:

If further action were completed at this low risk site, funds could exceed the environmental benefit. Surface soil sampling and analysis for organic compounds, metals, radionuclides, and other hazardous constituents would be needed to confirm the presence or absence of contamination. Based on existing information, there is no need for further action at this site.

IV. SUMMARY – Other Decision Drivers:

INEEL Cultural Resource personnel determined that this site meets the requirements of a cultural/historical resource. Based on the nature and age of the artifacts (1930 timeframe), prior to completing any further action at this site, INEEL Cultural Resource personnel must be contacted.

Recommended Action:

It is recommended that this newly identified site be classified as No Further Action. Field investigations, interviews, historical knowledge of the area, and photographs suggest that risk to receptors would be within acceptable limits. According to Risk-Based Corrective Action (RBCA) guidance, a Tier 0, Class 4 site is a simple historical release site, described by, "No demonstrable threat to human health and safety or sensitive environmental receptors." Site 003 qualifies as a Tier 0, Class 4 because 1) the initial environmental impacts were limited due to the small extent and size of any potential release (< 25 gal.), the remote location, and the general lack of receptors; and 2) there are currently no visible stains or odors that would indicate fuel spillage. There is a high degree of certainty that little or no risk to current or potential future receptors exists at this site. According to RBCA, no further action is needed and no tiered evaluation is required.

Signatures:		# Pages:	16	Date:	August 8, 2001
Prepared By: Marilyn Paarmann, WPI	DOE W	AG Manager:	Klo	un N	elson
Approved By the	Indeper	ndent Review	Ot.	to H	1

DECISION STATEMENT (DOE RPM)

Date Received: 3/18/02

Disposition:

The car body located at site 003 does not have any associated debris indicating industrial chemical release. No remedial action is required.

Date: 4/02/62 #Pages: 16 1

Name: Kathleen Hain Signature: Xathleen E Hain

DI	ECISION STATEMENT (EPA RPM)
Date Received: 9/21/0/	10-08-003
Disposition:	shes, profinity of input from get all support that site with industrial works withins. No firther remedial appears necessary.
Date: 9/25/0/	# Pages: 4
Name: Wayne lette	Signature: hay tilling

DECISION STATEMENT (IDEQ RPM) **Date Received:** September 4, 2001 Disposition: Site #003 Site #003 is an old car body located about 5.5 miles northwest of the RWMC. The old car body (circa 1930s) includes car body panels, small miscellaneous car parts, and weathered wood but no engine parts are present and there is no soil discoloration or disturbed vegetation to suggest fuel spillage. There is neither visual evidence of hazardous constituents nor evidence that waste has recently been disposed at the site. The state concurs this is a **no further action** site Date: # Pages:

Signature: View J.M. Myenc

PROCESS/WASTE WORKSHEET	VORKSHEET	
SITE ID: 003	PROCESS:	Car Body Adjacent to Big Lost River
	WASTE:	Domestic Debris
Col 1 Processes Associated with this Site	Col 2 Waste Description & Handling Procedures	Col 3 Description & Location of any Artifacts/Structures/Disposal Areas Associated with this Waste or Process
Scattered automobile debris abandoned near Big Lost River	Automobile parts (no engine remains are present) and weathered wood likely discarded by nearby residents in the early part of the twentieth century.	Artifact: Abandoned miscellaneous automobile parts and weathered wood. Location: Next to an unidentified road on the southern side of the Big Lost River, approximately 3 miles west of the river junction at the spreading areas, 5.5 miles northwest of RWMC. Description: Debris includes miscellaneous automobile parts (no engine remains are present) and weathered wood.

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CONTAMINANT WORKSHEET					
SITE ID: 003	PROCESS:	Car Body Adjacent to Big Lost River	ig Lost River		
	WASTE:	Domestic Debris - Miscellaneous automobile parts	ellaneous automobil	e parts	
Col 4 What Known/Potential Hazardous Substance/Constituents are Associated with this Waste or Process?	Col 5 Potential Sources Associated with this Hazardous Material	Col 6 Known/Estimated Concentration of Hazardous Substances/	Col 7 Risk-based Concentration	Col 8 Qualitative Risk Assessment (high/med/	Col 9 Overall Reliability (high/med/ low)
	Soil	None	Not Applicable	Low	High

Question 1.	What are the waste generation processes, locations, and dates of operation associated with this site?
Block 1	Answer:
abandoned in timeframe. Th body panels, a vegetation tha site is located	historical refuse pile containing miscellaneous early-model automobile parts, likely place by nearby area residents. It was estimated that the vehicle dates from the 1930 e debris includes miscellaneous automobile parts, (no engine remains are present), and weathered wood. There is no evidence of soil discoloration or disturbed at would indicate fuel spillage or the presence of other hazardous constituents. The on an unidentified dirt road on the southern side of the Big Lost River, approximately est of the river junction at the spreading areas, 5.5 miles northwest of RWMC.
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)
Environmenta of an early two	conducted by INEEL WAG 10, Cultural Resource, and Environmental Restoration I Safety and Health (ER ES&H) personnel revealed that the site contains the remains entieth-century model automobile likely abandoned by nearby residents. The artifacts ite are domestic in nature and pose no potential risk to human health or the
Block 3	Has this INFORMATION been confirmed? ☑ Yes ☐ No If so, describe the confirmation. (check one)
Investigations this site are d	re conducted with ER ES&H personnel during a 1994 environmental assessment. conducted by INEEL Cultural Resource personnel confirm that the artifacts found at omestic in nature, and unrelated to INEEL activities. Photographs confirm the types of esent condition of the site.
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)
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Question 2.	What are the disposal processes, locations, and dates of operation associated with this site? How was the waste disposed?
Block 1	Answer:
likely abandor 1930 timefram present), body vegetation that site is located three miles we	ists of a historic refuse pile containing miscellaneous early-model automobile parts, ned in place by nearby area residents. It was estimated that the vehicle dates from the ne. The debris includes miscellaneous automobile parts, (no engine remains are y panels, and weathered wood. There is no evidence of soil discoloration or disturbed at would indicate fuel spillage or the presence of other hazardous constituents. The on an unidentified dirt road on the southern side of the Big Lost River, approximately est of the river junction at the spreading areas, 5.5 miles northwest of RWMC. The e 003 are considered to be domestic in nature, very old and unrelated to INEEL
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)
Environmenta of an early two	conducted by INEEL WAG 10, Cultural Resource, and Environmental Restoration II Safety and Health (ER ES&H) personnel revealed that the site contains the remains entieth-century model automobile likely abandoned by nearby residents. The artifacts ite are domestic in nature and pose no potential risk to human health or the
Block 3	Has this INFORMATION been confirmed? ⊠ Yes ☐ No If so, describe the confirmation. (check one)
	on was confirmed with interviews and investigations. Photographs confirm the debris condition of the site.
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)
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Question 3.	Is there evidence that a source exists at this site? If so, list the sources and describe the evidence.
Block 1	Answer:
of hazardous have been ide area residents	sual evidence that a source of contamination exists at Site 003. There is no evidence constituents, disturbed vegetation, stained or discolored soil, or odor. The artifacts entified as being domestic in nature and most likely abandoned in place by nearby s. The debris consists of miscellaneous automobile parts and weathered wood. No as are present, nor evidence of soil discoloration that would indicate fuel spillage.
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)
site contains presidents. The	tions conducted by INEEL WAG 10 and Cultural Resource personnel revealed that the parts of an early twentieth-century model automobile likely abandoned by nearby ere were no engine remains present. The artifacts are very old, domestic in nature, NEEL activities, and as such, pose no threat to human health or the environment.
Block 3	Has this INFORMATION been confirmed? ⊠ Yes ☐ No If so, describe the confirmation. (check one)
	notographs taken during the environmental baseline assessment, and investigations of m the information.
Block 4	Sources of Information (check appropriate box(es) & source number from
	reference list)
	2,5 Documentation about Data Disposal Data Cess Data QA Data S S Safety Analysis Report Surrence Report Initial Assessment Well Data

Question 4.	Is there empirical, circumstantial, or other evidence of migration? If so, what is it?
Block 1	Answer:
constituents, of undisturbed, re debris likely al- from an early	idence of migration at Site 003. Investigations reveal no visual evidence of hazardous listurbed, stained or discolored soil areas, or odors. Groundcover at the site is effecting established sagebrush and native grasses. The site contains domestic bandoned by nearby area residents including miscellaneous body panels and parts model (circa 1930s) automobile (no engine remains are present), and weathered is no evidence of soil discoloration that would indicate fuel spillage.
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)
	ns and photographs indicate that vegetation is well established, and no soil staining or spresent, giving no indication of disturbance or evidence of contaminants.
Block 3	Has this INFORMATION been confirmed? ⊠ Yes ☐ No If so, describe the confirmation. (check one)
This information	on was confirmed through site inspections and photographs.
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)
	2,5 Documentation about Data Disposal Data D

Question 5.	Does site operating or disposal historical information allow estimation of the pattern of potential contamination? If the pattern is expected to be a scattering of hot spots, what is the expected minimum size of a significant hot spot?
Block 1	Answer:
substances at visual evidence unrelated to It estimate becan hazardous confield screening	spected pattern of potential contamination because there is no evidence of hazardous the site. There is no evidence of stained or discolored soil in the area, odors, or see of disturbed vegetation. The debris was determined to be domestic in nature and NEEL activities. There is no evidence of a source at this site or contaminated region to suse there is no evidence of hazardous or radioactive materials. The pattern of instituents (organics, metals, radionuclides, etc.) cannot be estimated without further g or soil sampling around the debris; however, because of the nature, age, and indition of the debris it is highly unlikely that contaminants would be present at levels seed limits.
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)
from a subsect personnel. The place more the	on was obtained from an environmental baseline assessment conducted in 1994, and quent site investigation conducted by INEEL WAG 10 and Cultural Resource e investigations reveal that the artifacts are domestic in nature, likely abandoned in an 50 years ago by nearby residents. Photographs indicate that the soil is not stained and vegetation near the debris is well established.
Block 3	Has this INFORMATION been confirmed? ☐ Yes ☐ No If so, describe the confirmation. (check one)
This informati historical findi	on was confirmed through site inspections, photographs and Cultural Resource ngs.
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)
	2,5 Documentation about Data Disposal Data Disposal Data Disposal Data DA Data DA Data DA Data DA Dawings DA DReport Data DA DReport Data DA DReport DA DR

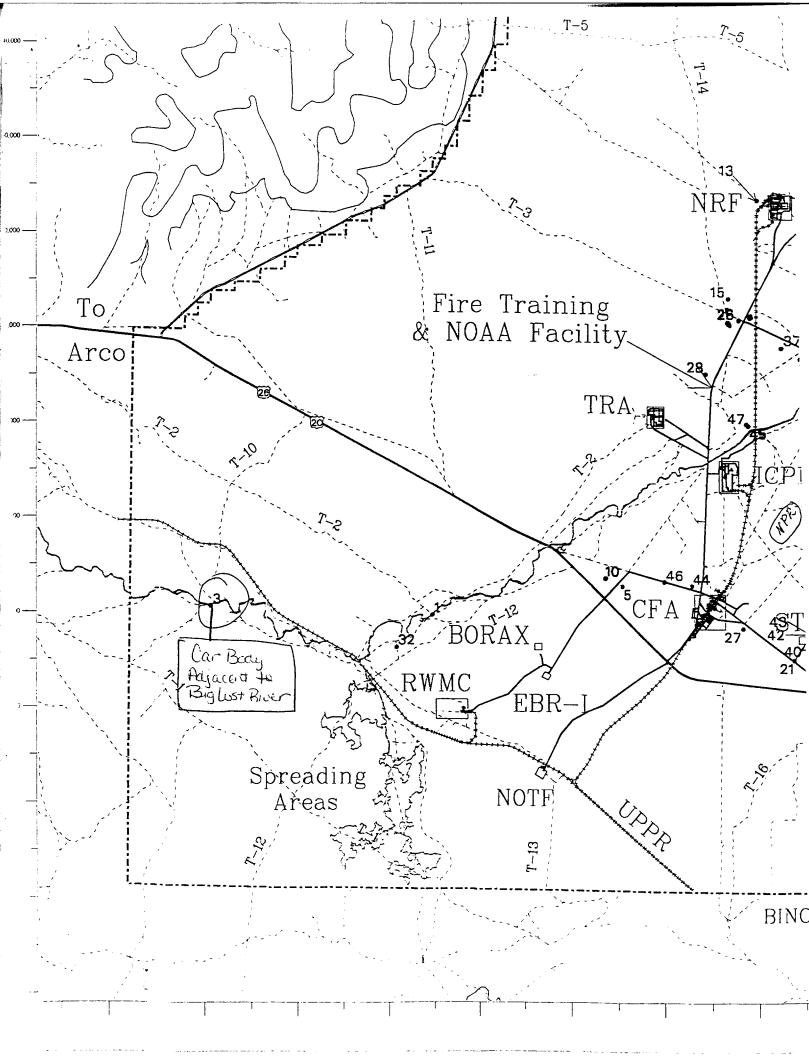
Question 6.	Estimate the length, width, and depth of the contaminated region. What is the known or estimated volume of the source? If this is an estimated volume, explain carefully how the estimate was derived.
Block 1	Answer:
an ~10 ft diam engine remain be more than is no evidence	ions and photographs indicate that Site 003 consists of domestic debris and covers leter area. Artifacts include miscellaneous automobile body panels and parts (no is are present), and weathered wood. INEEL Cultural Resources estimates the site to 50 years old. There is no evidence of soil discoloration indicating fuel spillage. There is of a source at this site or contaminated region to estimate because there is no azardous or radioactive materials.
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)
a recent site in evidence that	on was obtained from an environmental baseline assessment conducted in 1994, and investigation conducted by WAG 10 and Cultural Resources personnel. There is no the artifacts pose a potential risk. Photographs taken during the survey indicate that well established and there is no evidence of stained or discolored soil.
Block 3	Has this INFORMATION been confirmed? ☑ Yes ☐ No If so, describe the confirmation. (check one)
This information research.	on was confirmed through site inspections, interviews, photographs and historical
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)
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Question 7.	What is the known or estimated quantity of hazardous substance/constituent at this source? If the quantity is an estimate, explain carefully how the estimate was derived.
Block 1	Answer:
is no evidence by nearby res	I quantity of hazardous substances/constituents at this site is near zero because there of any hazardous materials. The site consists of domestic debris likely abandoned idents. As confirmed by Cultural Resources, the artifacts are old, weathered, and NEEL activities.
Block 2	How reliable are the information sources? ⊠ High ☐ Med ☐ Low Explain the reasoning behind this evaluation. (check one)
	on was obtained from an environmental baseline assessment, a WAG 10 and Cultural estigation, and photographs of the site. All revealed no visual evidence of hazardous
Block 3	Has this INFORMATION been confirmed? ⊠ Yes ☐ No If so, describe the confirmation. (check one)
This information	on was confirmed through site inspections, photographs and historical research.
Block 4	Sources of Information (check appropriate box(es) & source number from reference list)
	2,5 Documentation about Data

Question 8.	Is there evidence that this hazardous substance/constituent is present at the source as it exists today? If so, describe the evidence.				
Block 1	Answer:				
There is no evidence that a hazardous substance or constituent is present at levels that require action at this site. INEEL Cultural Resource personnel confirm that the artifacts consist of scattered early-model automobile parts (no engine remains are present), likely abandoned by nearby residents. The artifacts are estimated to be more than 50 years old (circa 1930s), domestic in nature, and unrelated to INEEL activities.					
Block 2 How reliable are the information sources? Migh Med Low Explain the reasoning behind this evaluation. (check one)					
This evaluation is based on interviews, site visitations and photographs of the area. The ground surface indicates no soil staining or discoloration, and vegetation well established. There is no evidence of hazardous constituents.					
Block 3 Has this INFORMATION been confirmed? Yes No (check one)					
This information was confirmed through site inspections, Cultural Resource historical research, and photographs.					
Block 4 Sources of Information (check appropriate box(es) & source number from reference list)					
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REFERENCES

- 1. DOE, 1992, Track 1 Sites: Guidance for Assessing Low Probability Sites at the INEL, DOE/ID-10390 (92), Revision 1, U.S. Department of Energy, Idaho Falls, Idaho, July.
- 2. Interview with an Environmental Baseline Assessment team member, February 6, 2001.
- 3. Photographs of Site 003: PN99-0494-2-4, PN99-0494-2-6, PN99-0494-2-7.
- 4. FY 1999 WAG 10 Newly Identified Sites, Volumes I and II.
- 5. Interviews with Brenda Ringe Pace, INEEL Cultural Resources Management, February 7 and May 16, 2001.



Attachment A

Photographs of Site #003



Site: 003 Car Body Adjacent to Big Lost River (PN99-0494-2-4)



Site: 003 Car Body Adjacent to Big Lost River (PN99-0494-2-6)



Site: 003 Car Body Adjacent to Big Lost River (PN99-0494-2-7)

Attachment B

Supporting Information for Site #003

435.36 04/14/99 Rev. 03

NEW SITE IDENTIFICATION

Par	Part A – To Be Completed By Observer						
1.	Person Initiat	ing Report: Jacob Harris		Phone: 526-1877			
	Contractor W	AG Manager: Douglas Burns		Phone: 526-4324			
2.	Site Title: 00	Site Title: 003, Car Body Adjacent to Big Lost River					
3.	Describe the conditions that indicate a possible inactive or unreported waste site. Include location and description of suspicious condition, amount or extent of condition and date observed. A location map and/or diagram identifying the site against controlled survey points or global positioning system descriptors shall be included to help with the site visit. Include any known common names or location descriptors for the waste site.						
	This site is located next to an unidentified dirt road on the southern side of the Big Lost River approximately 3 miles west of junction at the spreading areas, west of the RWMC. During the August 1999 site visit, the surface debris observed included body panels, small metal car parts, and wood. The GPS coordinates of the site are E240728.424 by N680691.519. The renumber for this site is 003 and can be found on the summary map as provided.						
Par	Part B – To Be Completed By Contractor WAG Manager						
4.	Recommendation:						
This site meets the requirements for an inactive waste site, requires investigation, and should be included in the FFA/CO Action Plan. Proposed Operable Unit assignment is recommended to be included in the FFA/CO. WAG: Operable Unit: This site DOES NOT meet the requirements for an inactive waste site, DOES NOT require investigation and SHO included in the INEEL FFA/CO Action Plan.							
					5. Basis for the recommendation:		
	The conditions that exist at this site indicate the potential for an inactive waste site according to Section 2 of MCP-3448 Report or Disturbance of Suspected Inactive Waste Sites.						
	The basis for concern; and	recommendation must include: (1) source de (4) descriptions of interfaces with other progr	escription; (2) exposure ams, as applicable (e.g	e pathways; (3) potential contaminants of L., D&D, Facility Operations, etc.)			
6.	Contractor WAG Manager Certification: I have examined the proposed site and the information submitted in this document and believe the information to be true, accurate, and complete. My recommendation is indicated in Section 4 above.						
Nan	ne:	Signature:		Date:			
L			····	· · · · · · · · · · · · · · · · · · ·			